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Arg Gly Tyr Asp Ser Ala Gly Val Gly Phe Asp Gly Gly Asn Asp Lys  
35 40 45

Asp Trp Glu Ala Asn Ala Cys Lys Thr Gln Leu Ile Lys Lys Lys Gly  
50 55 60

Lys Val Lys Ala Leu Asp Glu Glu Val His Lys Gln Gln Asp Met Asp  
65 70 75 80

Leu Asp Ile Glu Phe Asp Val His Leu Gly Ile Ala His Thr Arg Trp  
85 90 95

Ala Thr His Gly Glu Pro Ser Pro Val Asn Ser His Pro Gln Arg Ser  
100 105 110

Asp Lys Asn Asn Glu Phe Ile Val Ile His Asn Gly Ile Ile Thr Asn  
115 120 125

Tyr Lys Asp Leu Lys Lys Phe Leu Glu Ser Lys Gly Tyr Asp Phe Glu  
130 135 140

Ser Glu Thr Asp Thr Glu Thr Ile Ala Lys Leu Val Lys Tyr Met Tyr  
145 150 155 160

Asp Asn Arg Glu Ser Gln Asp Thr Ser Phe Thr Thr Leu Val Glu Arg  
165 170 175

Val Ile Gln Gln Leu Glu Gly Ala Phe Ala Leu Val Phe Lys Ser Val  
180 185 190

His Phe Pro Gly Gln Ala Val Gly Thr Arg Arg Gly Ser Pro Leu Leu  
195 200 205

Ile Gly Val Arg Ser Glu His Lys Leu Ser Thr Asp His Ile Pro Ile  
210 215 220

Leu Tyr Arg Thr Gly Lys Asp Lys Lys Gly Ser Cys Asn Leu Ser Arg  
225 230 235 240

Val Asp Ser Thr Thr Cys Leu Phe Pro Val Glu Glu Lys Ala Val Glu  
 245 250 255

Tyr Tyr Phe Ala Ser Asp Ala Ser Ala Val Ile Glu His Thr Asn Arg  
 260 265 270

Val Ile Phe Leu Glu Asp Asp Asp Val Ala Ala Val Val Asp Gly Arg  
 275 280 285

Leu Ser Ile His Arg Ile Lys Arg Thr Ala Gly Asp His Pro Gly Arg  
 290 295 300

Ala Val Gln Thr Leu Gln Met Glu Leu Gln Gln Ile Met Lys Gly Asn  
 305 310 315 320

Phe Ser Ser Phe Met Gln Lys Glu Ile Phe Glu Gln Pro Glu Ser Val  
 325 330 335

Val Asn Thr Met Arg Gly Arg Val Asn Phe Asp Asp Tyr Thr Val Asn  
 340 345 350

Leu Gly Gly Leu Lys Asp His Ile Lys Glu Ile Gln Arg Cys Arg Arg  
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Leu Ile Leu Ile Ala Cys Gly Thr Ser Tyr His Ala Gly Val Ala Thr  
 370 375 380

Arg Gln Val Leu Glu Glu Leu Thr Glu Leu Pro Val Met Val Glu Leu  
 385 390 395 400

Ala Ser Asp Phe Leu Asp Arg Asn Thr Pro Val Phe Arg Asp Asp Val  
 405 410 415

Cys Phe Phe Leu Ser Gln Ser Gly Glu Thr Ala Asp Thr Leu Met Gly  
 420 425 430

Leu Arg Tyr Cys Lys Glu Arg Gly Ala Leu Thr Val Gly Ile Thr Asn  
 435 440 445

Thr Val Gly Ser Ser Ile Ser Arg Glu Thr Asp Cys Gly Val His Ile  
 450 455 460

Asn Ala Gly Pro Glu Ile Gly Val Ala Ser Thr Lys Ala Tyr Thr Ser  
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Gln Phe Val Ser Leu Val Met Phe Ala Leu Met Met Cys Asp Asp Arg  
485 490 495

Ile Ser Met Gln Glu Arg Arg Lys Glu Ile Met Leu Gly Leu Lys Arg  
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Leu Pro Asp Leu Ile Lys Glu Val Leu Ser Met Asp Asp Glu Ile Gln  
515 520 525

Lys Leu Ala Thr Glu Leu Tyr His Gln Lys Ser Val Leu Ile Met Gly  
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Arg Gly Tyr His Tyr Ala Thr Cys Leu Glu Gly Ala Leu Lys Ile Lys  
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His Gly Pro Leu Ala Leu Val Asp Lys Leu Met Pro Val Ile Met Ile  
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Val Val Ala Arg Gln Gly Arg Pro Val Val Ile Cys Asp Lys Glu Asp  
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Val Asp Cys Leu Gln Gly Ile Leu Ser Val Ile Pro Leu Gln Leu Leu  
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660 665 670

Asn Leu Ala Lys Ser Val Thr Val Glu  
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